Trends in ICT Policy in Japan

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The Progress of Japan's IT Strategy

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Stage 1

Stage 2

A front-runner leading the global IT revolution

◆ IT Basic Law (Nov. 2000)

◆ Foundation of IT Strategic Headquarters (Director General: Prime Minister) (Jan. 2001)

New IT Reform Strategy (Jan. 2006)

Pursuit of IT structural reform capabilities

e-Japan Strategy II (Jul. 2003)

Emphasis on IT use and application

e-Japan Strategy (Jan. 2001)

IT infrastructure development

Realization of a self-sustaining IT society

Input

Input
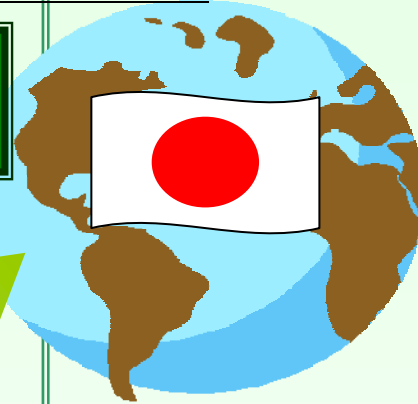
MIC's Network Policies

MIC's u-Japan Policy

2001

2003

2006 ～

1

Priority IT Measures on New IT Reform Strategy

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The Pursuit of IT Structural Reform Capabilities

Solving the problems that Japan's society faces by using IT

- Structural reform of healthcare through IT
- An environmentally-friendly society that utilizes IT
- A world-leading safe and secure society
- World's safest road traffic environment
- World's most convenient and efficient electronic government
- Business competitiveness enhanced through the use of IT in management
- Prosperous lifestyles throughout people's lifetimes

Development of IT Infrastructure

Developing the infrastructure that will support IT structural reform capabilities and serve as the foundation for a ubiquitous network society

- An IT society that adopts universal designs
- Development of an "anytime, anywhere, for anything, and by anyone" infrastructure and a society without a digital divide
- The world's most secure IT society
- Development of human resource bases with an eye towards the next generation
- Education and human resource development that will produce human resources that will be competent anywhere in the world
- Promotion of the R&D that will form the foundations for the next-generation IT society
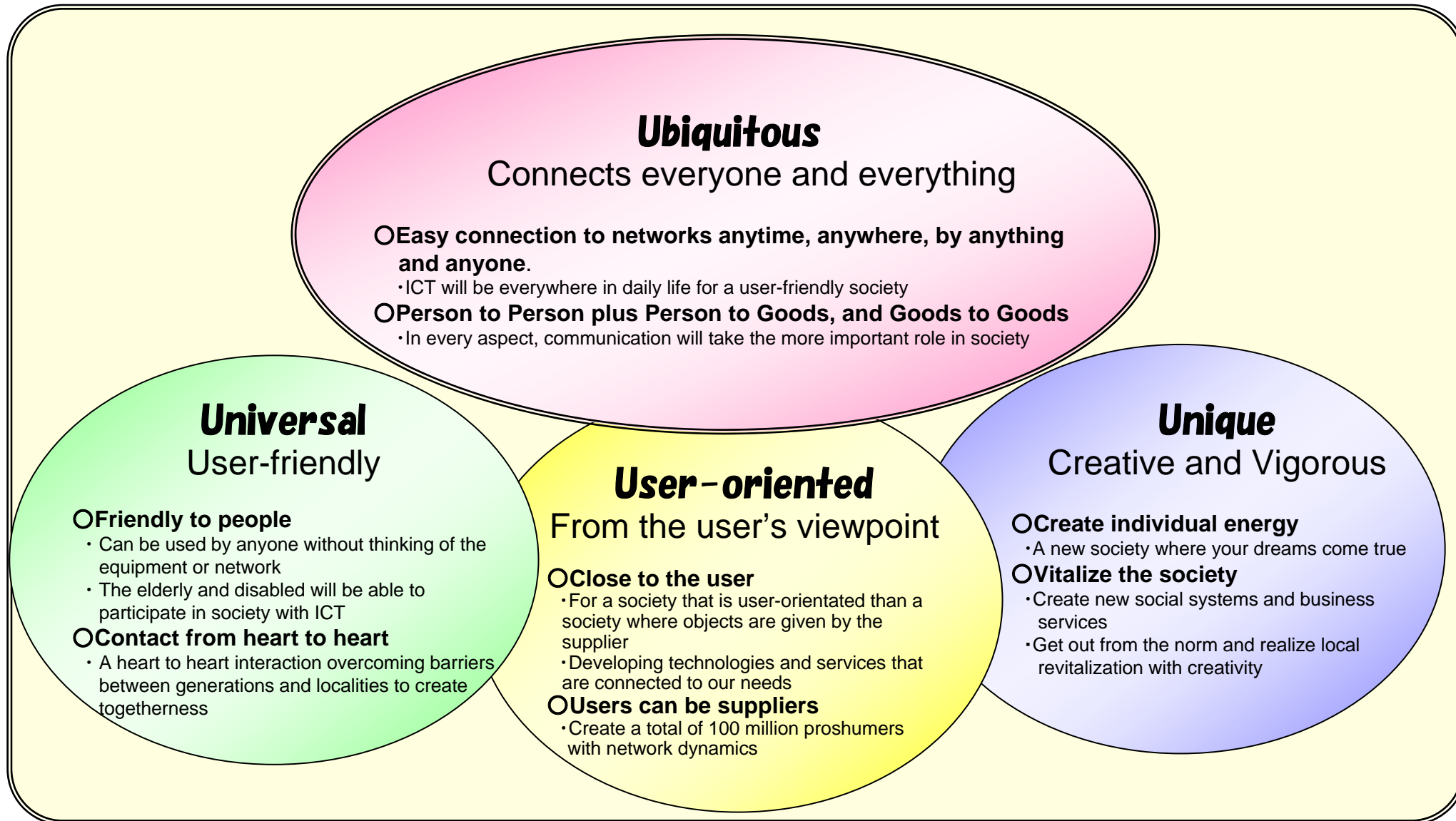
Sharing Information with the Rest of the World

Sharing Japan's structural reform capabilities with the rest of the world and making international contributions

- Measures to enhance the presence of Japan in international competitive society
- Measures to make international contributions by providing problem-solving models
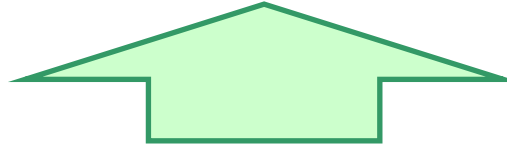
The u-Japan Concept

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Ubiquitous
Connects everyone and everything

〇**Easy connection to networks anytime, anywhere, by anything and anyone**.
  ・ICT will be everywhere in daily life for a user-friendly society
〇**Person to Person plus Person to Goods, and Goods to Goods**
  ・In every aspect, communication will take the more important role in society

Universal
User-friendly

〇**Friendly to people**
  ・ Can be used by anyone without thinking of the equipment or network
  ・ The elderly and disabled will be able to participate in society with ICT
〇**Contact from heart to heart**
  ・ A heart to heart interaction overcoming barriers between generations and localities to create togetherness

User-oriented
From the user's viewpoint

〇**Close to the user**
  ・For a society that is user-orientated than a society where objects are given by the supplier
  ・Developing technologies and services that are connected to our needs
〇**Users can be suppliers**
  ・Create a total of 100 million proshumers with network dynamics

Unique
Creative and Vigorous

〇**Create individual energy**
  ・A new society where your dreams come true
〇**Vitalize the society**
  ・Create new social systems and business services
  ・Get out from the norm and realize local revitalization with creativity

4U = For You

3

Structure of the "u-Japan Policy"

Ubiquitous Network Society

100% of population can access to broadband services

More than 80% of population can appreciate the role of ICT in resolving major issues

More than 80% of population can feel safe in using ICT
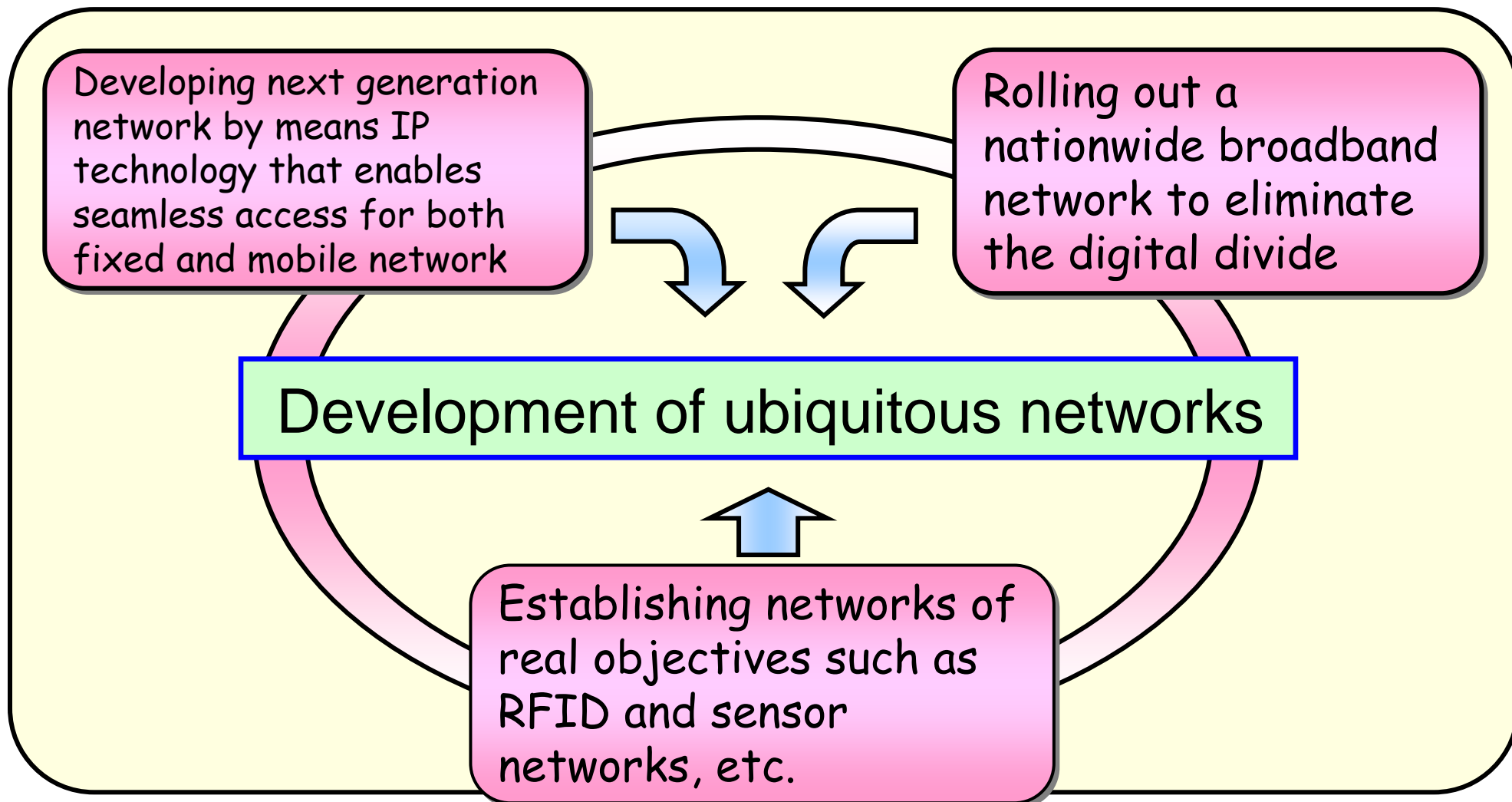
Development of ubiquitous networks

Enhancement of ICT applications

Improvement of environment for the use of ICT

Promotion of ICT R&D (UNS Strategic Program) & International Cooperation
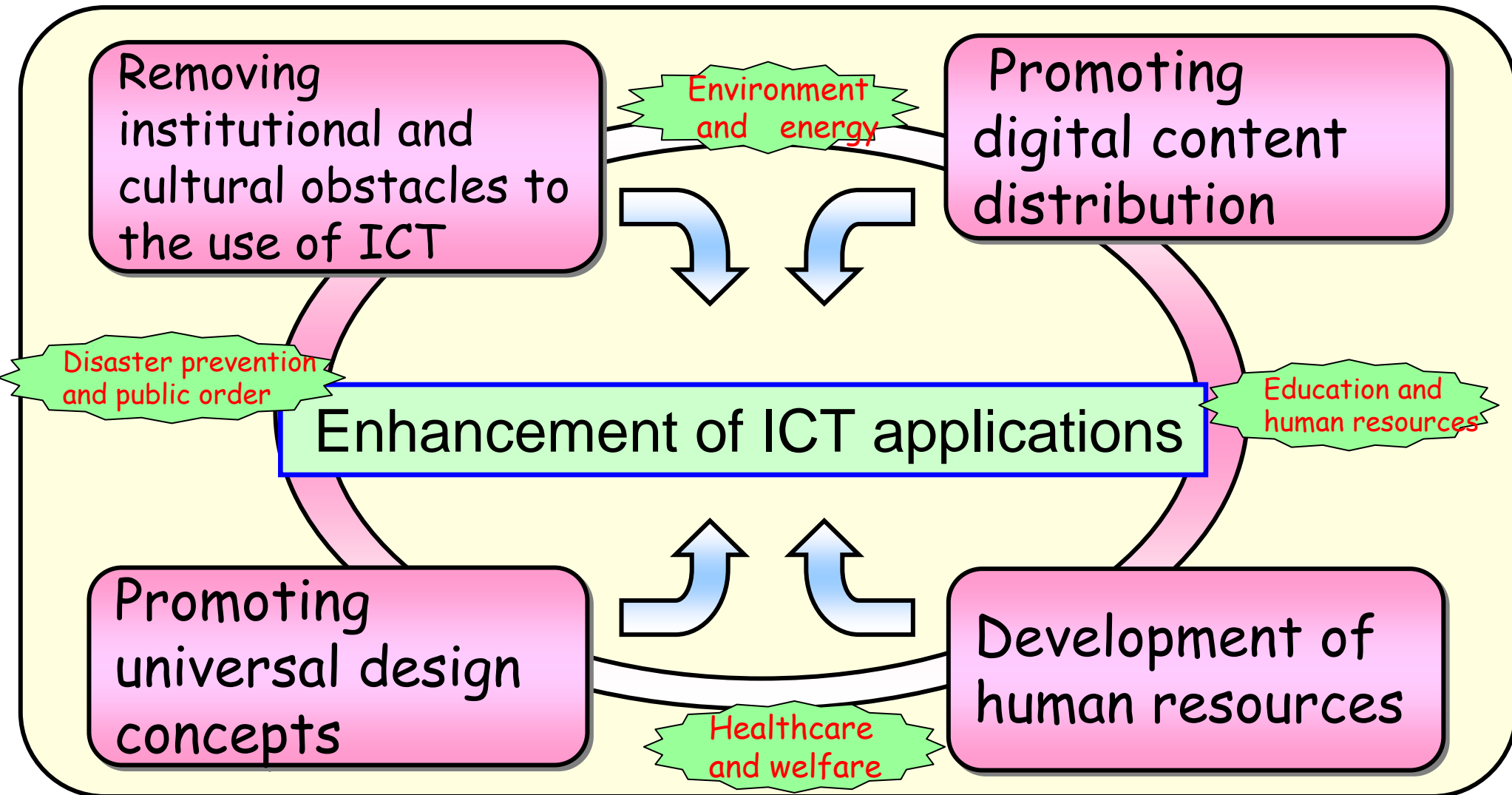
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Ubiquitous Network Establishment

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First goal: 100% of population can access to broadband services

Developing next generation network by means IP technology that enables seamless access for both fixed and mobile network

Rolling out a nationwide broadband network to eliminate the digital divide

Development of ubiquitous networks

Establishing networks of real objectives such as RFID and sensor networks, etc.

Enhancement of ICT Applications

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Second goal: More than 80% of population can appreciate the role of ICT in resolving major issues

Removing institutional and cultural obstacles to the use of ICT

Environment and energy

Promoting digital content distribution

Disaster prevention and public order

Enhancement of ICT applications

Education and human resources

Promoting universal design concepts

Healthcare and welfare

Development of human resources

Usability Arrangement

Third goal: More than 80% of population can feel safe in using ICT

1. Protection of privacy

2. Securing information security

10. Establishment of social systems and practices compatible with ICT

3. Establishing an e-commerce environment

9. Consideration for the global environment and for the health of humans

Improvement of environment for the use of ICT

4. Dealing with illegal and harmful content and mischievous transmissions

8. Conquering the geographic divide

5. Treatment of intellectual property rights

6. Establishment of a new social code of conduct

7. Penetration of information literacy

7

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Ubiquitous Network Society Strategic Program

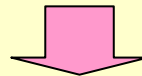| New-Generation Networks Technologies	ICT Security and Safety Technologies	Universal Communications Technologies

New-Generation Networks Technologies
- Next-generation backbone network
- Photonic network
- Wireless network
- Satellite Communication

etc.

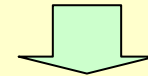**ICT Security and Safety Technologies**
- Info-communication Security
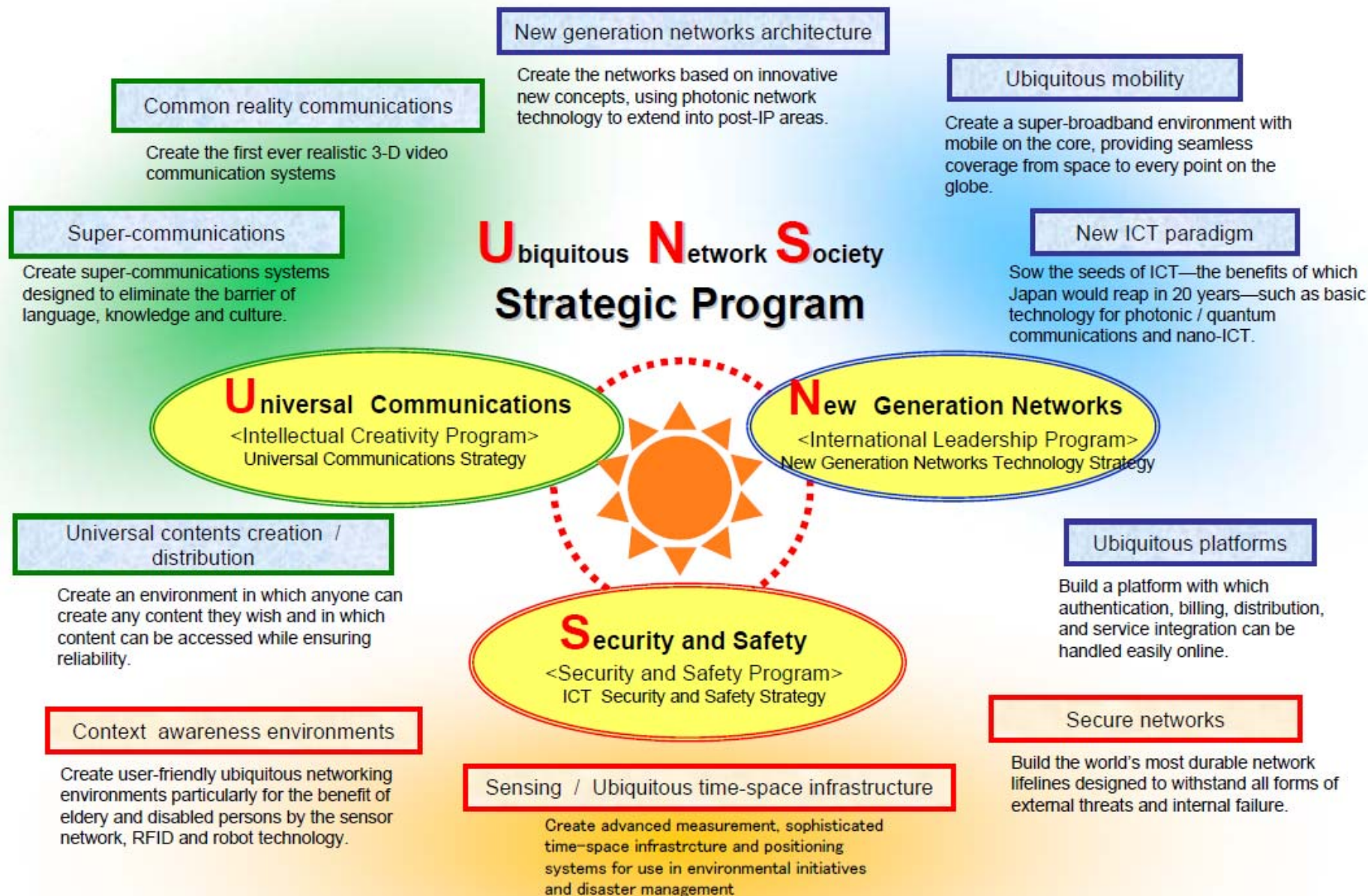- Ubiquitous sensor network
- RFID

etc.

Universal Communications Technologies
- Three-dimensional television
- Automatic translation

etc.

Role of Network Testbeds

A front-runner leading the global
IT revolution & realization of a self-sustaining IT society

New IT Reform Strategy

u-Japan Policy (Ubiquitous Network Society)

R&D of Universal Communications Technologies

R&D of New-Generation Networks Technologies

R&D of ICT Security and Safety Technologies

Network Testbeds
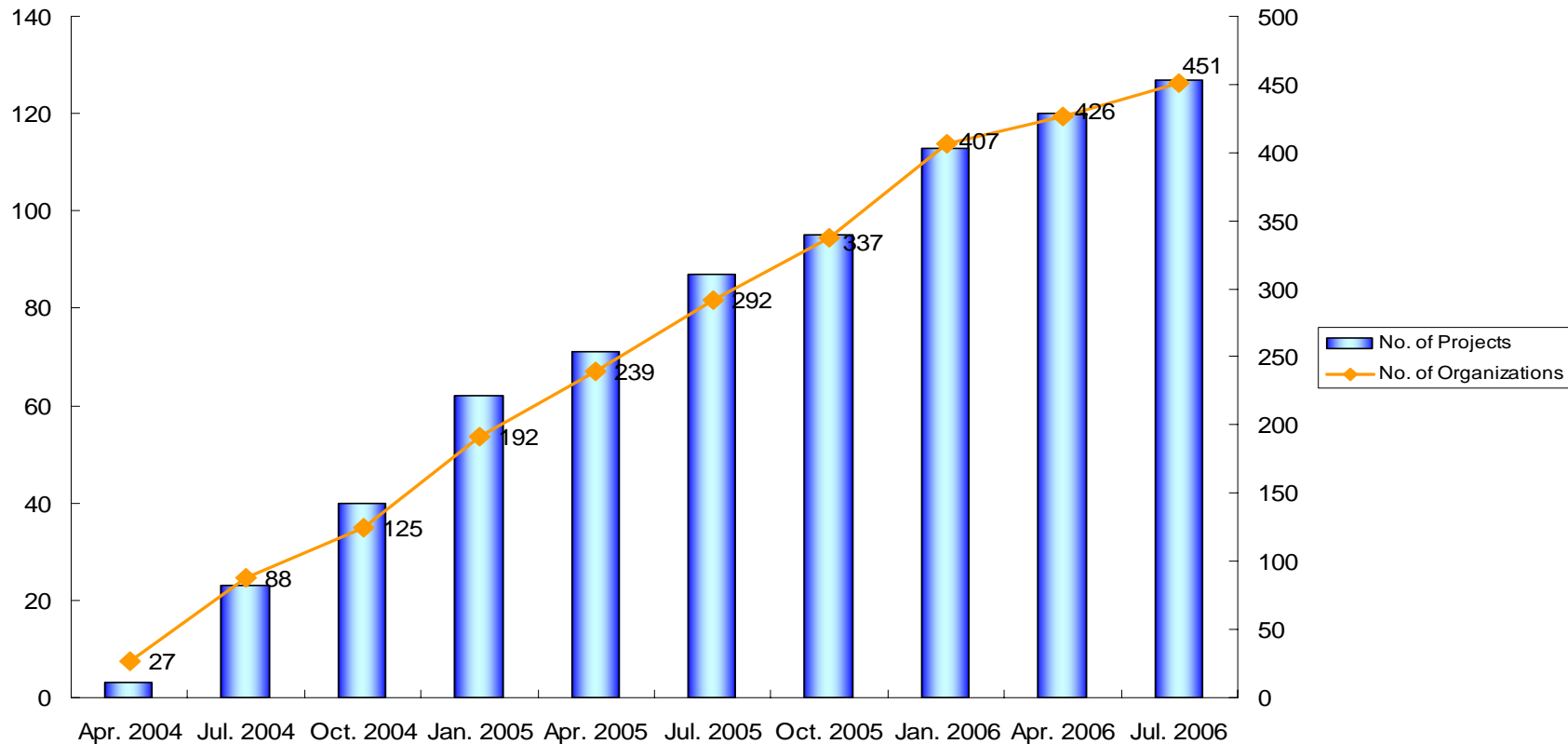
Outline of JGN and JGN II

1999   2003   2004

ATM-based network
(implementation of IPv6 network from 2002)

IPv6-based and optical network
(Japan-U.S., Japan-Singapore and Japan-Thailand links also available)

JGN

JGNII

Usage of JGN II

Legend:
- No. of Projects
- No. of Organizations

X-axis: Apr. 2004, Jul. 2004, Oct. 2004, Jan. 2005, Apr. 2005, Jul. 2005, Oct. 2005, Jan. 2006, Apr. 2006, Jul. 2006

No. of Organizations values: 27, 88, 125, 192, 239, 292, 337, 407, 426, 451

Thank you!